

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hyoung-rae Kim Examiner: Dharia, Prabodh M.  
U.S. Serial No.: 10/712,164 Group Art Unit: 2629  
Filing Date: November 13, 2003 Confirmation No.: 8205  
U.S. Patent No.: 7,391,395  
Issue Date: June 24, 2008  
Title: SUPER TWISTED NEMATIC (STN) LIQUID CRYSTAL DISPLAY  
(LCD) DRIVER AND DRIVING METHOD THEREOF  
Customer No: 29344 Attorney Docket No: SAM-0504

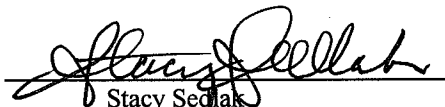
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CERTIFICATE OF ELECTRONIC SUBMISSION

I hereby certify that this correspondence and any correspondence referred to as being attached or enclosed is being sent by electronic submission to the United States Patent and Trademark Office on the date indicated next to my name.

11-7-08

Date

  
Stacy Sedlak

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**Via Electronic Submission**

Certificate of Corrections Branch

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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PETITION FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.322

Sir:

The patentee of the above-identified patent, through its attorney, hereby petitions for issuance of a Certificate of Correction in the above-identified patent. A certificate is required to correct the errors in the claims as follows:

Column 10, line 55, delete “;” after “frame”

Column 10, line 57, insert -- and-- after “nFRC method;”

Column 10, line 58, delete “is inverted” after “crystal”

Column 10, line 59, delete “\_” and insert a space between “frame” and “when”

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It is respectfully requested that a Certificate of Correction be issued to correct the errors in the claims. Enclosed herewith is a proposed Certificate of Correction indicating the errors and correction thereof.

This Petition for Certificate of Correction is filed to correct clerical errors in the Examiner's Amendment, mailed with the Notice of Allowance for the referenced application on February 20, 2008.

The patentee notes that proposed amendments to claim 12 of the referenced application were faxed to Examiner Prabodh M. Dharia on February 12, 2008, in response to telephone interviews between the Examiner and the undersigned on February 5, 7, 8, 11 and 12, 2008. A copy of this two-page facsimile is attached for reference.

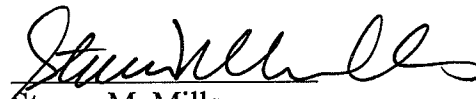
The patentee further notes that amendments to claim 12 made in the Examiner's Amendment mailed February 20, 2008, include clerical errors. This Petition for Certificate of Correction is filed herewith to correct these clerical errors in the Examiner's amendments to claim 12.

The correction is not believed to involve such change as would constitute new matter or require examination. Since the error is the fault of the United States Patent and Trademark Office, it is believed that no fee is due.

In connection with this matter, please charge any otherwise unpaid fees which may be due or credit any overpayment to Deposit Account No. 50-1798.

Respectfully submitted,

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**COPY**

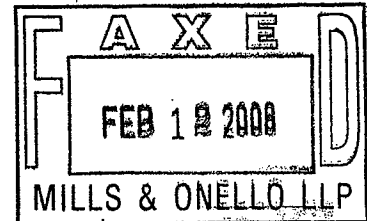
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**FACSIMILE TRANSMISSION**

**TO:** United States Patent and Trademark Office  
**Attn:** Examiner Prabodh M. Dharia  
Group Art Unit: 2629



**FROM:** Steven M. Mills

**Applicant(s):** Hyoung-rae Kim  
**Serial No.:** 10/712,164  
**Filing Date:** November 13, 2003  
**Title:** SUPER TWISTED NEMATIC (STD) LIQUID CRYSTAL DISPLAY (LCD)  
DRIVER AND DRIVING METHOD THEREOF

**FAX NO:** (571) 273-7668

**DATE:** February <sup>12</sup>/<sub>8</sub>, 2008

**NUMBER OF PAGES INCLUDING COVER SHEET: 3**

**REMARKS:**

Dear Examiner Dharia:

In accordance with our discussions, with regard to U.S. Application Serial Number 10/712,164, attached are proposed amended claims 9 and 12. As we discussed, please enter the amendments to claims 9 and 12 by an Examiner's Amendment.

We thank you for your assistance.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Steven M. Mills".

Steven M. Mills

Registration Number 36,610

Attorney for Applicants

The documents transmitted by this facsimile are intended for the use of the individual or the entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of the message is not the intended recipient, or the employee or agent responsible for delivering this document to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original facsimile to us at the above address via the Postal Service. Thank you.

9. (Currently Amended) A driving method of a super twisted nematic (STN) liquid crystal display (LCD) driver using an nFRC method that drives an STN LCD, wherein n is a natural number, the driving method comprising:

(a) determining whether a frame rate control (FRC) selection signal is in accordance with an nFRC method;

(b) counting a number of sub frames in a frame and generating a frame flag signal in response to the FRC selection signal in accordance with the nFRC method; and

(c) receiving ~~[[a]]~~the frame flag signal which inverts a level of a liquid crystal polarity inversion signal in the frame, ~~wherein and generating a the~~ liquid crystal polarity inversion signal ~~in the frame that~~ inverts a polarity of an STN liquid crystal of the STN LCD only once in the frame when the number of sub frames in the frame, counted in step (b), is n.

12. (Currently Amended) A driving method of a super twisted nematic (STN) liquid crystal display (LCD) driver using an nFRC method, wherein n is a natural number, comprising:

(a) counting a number of sub frames in a frame and generating a frame flag signal in response to the FRC selection signal in accordance with the nFRC method; and

(b) inverting a polarity of an STN liquid crystal only once in each frame when the number of sub frames in the frame, counted in step (a), is n.